

Patents granted and prototype developed by faculty members

CAY (2024 - 2025)								
S.No.	Name of Patent holder	Design Patent / Utility Patent	Patent Title	Patent Number	Patent Type (Indian or any other)	Patent Status (Published/ Granted)	Date/Month/Year	Proof Link details
1	Dr.S.Prathiba Professor	Product Patent	Smart Grid Monitoring System Using AI for Real-Time Fault Detection and Load Management	202441083650	Indian	Published	08.11.2024	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
2	Mrs.G.Annie Nancy Assistant Professor	Product Patent	Smart Grid Monitoring System Using AI for Real-Time Fault Detection and Load Management	202441083650	Indian	Published	08.11.2025	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

CAYm1 (2023 - 2024)								
S.No	Name of Patent holder	Design Patent / Utility Patent	Patent Title	Patent Number	Patent Type (Indian or any other)	Patent Status (Published/ Granted)	Date/Month/Year	Proof Link details

1	Dr. A. Inba Remy, Associate Professor	Utility Patent	RFID Tag technology for automatic payment shopping applications	202341034131	Indian	Published	18th August 2023	https://iprsrch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
2	Mrs.J.S.Nancy Mary, Assistant Professor	Utility Patent	RFID Tag technology for automatic payment shopping applications	202341034131	Indian	Published	18th August 2023	https://iprsrch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
3	Ms.G.Annie Nancy, Assistant Professor	Utility Patent	Efficient Power Converter Control Methodology for Electric Vehicle Drives	202441046672	Indian	Published	18th June 2024	https://iprsrch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

4	Dr.A.Santhi Mary Antony, Assistant Professor	Utility Patent	Bridgeless Isolated CUK Converter with Bumpless Control for reduced THD in PFC.	539092	Indian	Granted	23rd May 2024	https://iprsrch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
5	Dr.A.Santhi Mary Antony, Assistant Professor	Design Patent	AI & ML based Wall Climbing Robot	400776-001	Indian	Granted	19th Jan 2024	https://search.ipindia.gov.in/DesignApplicationStatus/

6	Mrs.J.S.Nancy Mary, Assistant Professor	Utility Patent	A Station for Solar Docking Using ZSI	202441040 719	Indian	Published	31st May 2024	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
7	Dr. A. Inba Remy, Associate Professor	Utility Patent	A Station for Solar Docking Using ZSI	202441040 719	Indian	Published	31st May 2024	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

CAYm2 (2022 - 2023)

SL.No	Name of Patent holder	Design Patent Utility Patent	Patent Title	Patent Number	Patent Type (Indian or any other)	Patent Status (Published/ Granted)	Date/Month /Year	Proof Link details
1.	Dr.A.Santhi Mary Antony	Utility Patent	Sensor based PFC Sepic Converter fed BLDC MotorDrive for Fan applications	418920	Indian	Granted	23.01.2023	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

CAYm2 (2022 - 2023)

SL.No	Name of Patent holder	Design Patent Utility Patent	Patent Title	Patent Number	Patent Type (Indian or any other)	Patent Status (Published/ Granted)	Date/Month /Year	Proof Link details
1.	Dr.A.Santhi Mary Antony	Utility Patent	Sensor based PFC	418920	Indian	Granted	23.01.2023	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

			Sepic Converter fed BLDC Motor Drive for Fan applications					gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
2.	Dr.A.Santhi Mary Antony	Design Patent	Solar Powered Sea Water Desalination Apparatus	368254-001	Indian	Granted	22.12.2022	https://search.ipindia.gov.in/DesignApplicationStatus/

CAYm1 (2021 - 2022)

SL.No	Name of Patent holder	Design Patent / Utility Patent	Patent Title	Patent Number	Patent Type (Indian or any other)	Patent Status (Published/ Granted)	Date/Month /Year	Proof Link details
1.	Ms. A. R. Danila Shirley	Utility Patent	Solar Powered Fed Motorized Mobile Vending Cart for Greengrocers	202141042029	Indian	Published	15.11.2021	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus